

Matthew Erwin

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EDUCATION

- **Louisiana State University**

Bachelor of Science in Computer Science, Minor in Mathematics GPA: 3.98

Baton Rouge, LA

Aug. 2020 – May 2024

EXPERIENCE

- **Chevron**

Cloud Engineer Intern

Covington, LA

May 2023 - Aug. 2023

- **Splunk:** Developed sophisticated Splunk dashboards and alerts using SPL and designed visuals using XML, HTML, CSS, and JavaScript that served as template boards for Chevron's BUs
- **OT Automation:** Utilized Ansible Tower to orchestrate and automate infrastructure tasks for an early-in-the-works project, leveraging Ansible playbooks and Docker for other containerization tasks
- **Competency Pathways:** Interacted with Degreed's RESTful API and frontend to create multiple competency pathways for future Chevron Network Engineers using Postman and Degreed's GUI

- **General Dynamics Information Technology**

Software Engineer I (Part-time/Intern)

Remote

Nov. 2022 - Mar. 2023

- **FSA:** Served as a backend developer and gained practical experience with Java by programming pieces of the REST API for the Federal Student Aid Processing System
- **Version Control:** Proficiently employed version control systems, including GitLab and Git, to facilitate seamless collaboration within the development and testing team
- **API Testing:** Championed software quality assurance through the development of robust JUnit tests, validating the functionality of my code and the code of fellow engineers
- **Database:** Demonstrated bi-weekly functionality of user stories to clients using PgAdmin and PostgreSQL queries
- **SAFe:** Practiced SAFe Agile methodologies by following user stories and features and utilized communication platforms such as Confluence and Jira to track progress

- **General Dynamics Information Technology**

Software Developer Intern

Remote

June 2022 - Aug. 2022

- **AWS CI/CD:** Created a full end-to-end automated pipeline using AWS Code* services, along with AWS Blue/Green deployment
- **Containers:** Worked on small frontend coding projects and containerized such projects by building images and containers through Docker and Docker Hub

PROJECTS

- **SocialEyes Mobile App** — *MongoDB, ExpressJS, React-Native, Typescript, WebSockets:*

- Designed the Figma and programmed the frontend layout implementation of the hobby-based app
- Developed and managed reusable code for both frontend and backend components

- **DSA Visualization Website** — *React, JavaScript, MongoDB, NodeJS, ExpressJS, MaterialUI, CSS:*

- Programmed data structures and algorithms visualizations & informational panels within a full-stack web app
- Constructed a chat feed for users to post and reply to others
- Strengthened REST API security by integrating JWTs within session cookies and implemented bcrypt for encryption of confidential user information

- **Movie Review Website** — *React, Typescript, Rust, CSS, NodeJS, ExpressJS, MySQL:*

- Designed and coded a React & Express full-stack web app for users to read and write movie reviews
- Implemented MySQL to dynamically store all movie and user information

TECHNICAL SKILLS

- **Languages:** Java, C/C++, Python, JavaScript, TypeScript, MySQL, PostgreSQL, HTML/CSS
- **Frameworks:** React, NodeJS, ExpressJS, React Native, Material-UI
- **Developer Tools:** Git, GitLab, Docker, AWS, Azure, Postman, Splunk, Figma